# Mountain Weather Forecast

## Peak District National Park

Forecast valid from 06:00 on Thursday 16 Feb 2023 until 23:59 on Friday 17 Feb 2023

Forecast Issued on Thursday 16 Feb 2023 at 00:59

**Confidence:** High confidence for a period of mild and slightly more unsettled weather than of late. Moderate confidence of timing of rain and strength of winds Friday, but some uncertainty.

**Headline for Thursday 16 Feb 2023:** Cloudy with rain and drizzle, though drier during the afternoon. Freezing level above all peaks.

**Mountain weather hazards on Thursday 16 Feb 2023**

**Blizzards**
No Likelihood

**Heavy persistent snow**
No Likelihood

**Storm force winds**
No Likelihood

**Gales**
No Likelihood

**Severe chill effect**
Low Likelihood

**Poor visibility**
Medium Likelihood

**Thunderstorms**
No Likelihood

**Heavy persistent rain**
No Likelihood

**Strong sunlight**
No Likelihood

| **Weather and chance of precipitation at 600m** | | | | | |
|---|---|---|---|---|---|
| Time | | | | | |
| 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 |
| | | | | | |
| Light rain | Fog | Fog | Sunny intervals | Partly cloudy (night) | Partly cloudy (night) |
| Precipitation probability | | | | | |
| 90% | 60% | 30% | 10% | 10% | 10% |

**Forecast for Thursday 16 Feb 2023**

**Weather:** A dull morning with extensive cloud and outbreaks of generally light rain and drizzle. Becoming drier and brighter in the afternoon but further low cloud and drizzle spreading in later in the evening.

**Chance of cloud-free hill tops above 600m:** 10-20%, becoming 70% for a time in the late afternoon and early evening.

**Low cloud and visibility:** Moderate or poor in rain and drizzle, very poor within cloud with bases extensive down to 400-500m with patches below, thinning and breaking for a time during the late afternoon and early evening.

Check our weather forecast every day to get the most accurate and up to date information
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# Mountain Weather Forecast

**Forecast for Thursday 16 Feb 2023**

| Height (m) | Wind Speed mean/gusts (mph) Wind Direction (blowing from) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 19/25 S | 15/21 SW | 18/24 W | 24/32 W | 23/31 W | 19/27 SW | 23/32 SW |
| **300** | 16/23 S | 10/16 S | 13/18 W | 16/23 W | 13/20 W | 13/20 SW | 17/26 SW |
| **Valley** | 6/17 SE | 5/14 S | 8/16 W | 12/23 W | 8/18 W | 7/18 SW | 10/24 SW |

| Height (m) | Temperature / Feels Like (°C) | | | | | | |
|---|---|---|---|---|---|---|---|
| | 06:00 | 09:00 | 12:00 | 15:00 | 18:00 | 21:00 | 00:00 |
| **600** | 4/-1 | 5/1 | 6/2 | 5/0 | 4/-2 | 5/-0 | 7/2 |
| **300** | 6/1 | 7/4 | 8/5 | 8/4 | 7/3 | 7/3 | 9/5 |
| **Valley** | 6/4 | 7/5 | 8/6 | 8/5 | 7/4 | 7/5 | 8/6 |
| **Freezing Level*** | 2000m | 2000m | 1600m | 1400m | 2100m | 2500m | 2300m |

**Level above which ground is expected to be frozen/snow is expected to settle.*

**Meteorologist's View**

Hill fog quite extensive, particularly early and late in the day.

**Recent rainfall:** measured at Cat & Fiddle: altitude 511m

| Recorded at | Last 24 hours: | Last 48 hours: | Last 72 hours: |
|---|---|---|---|
| 03:00 on Thu 16 Feb 2023 | 0.4mm | 0.6mm | 0.6mm |

**Forecast for Friday 17 Feb 2023**

**Weather:** A windy day with gales across the peaks. Rather cloudy, with outbreaks of rain and drizzle around the middle of the day. Brighter spells are possible across eastern parts early on and towards the end of the day.

**Maximum wind:** West to southwest mean 30-35 mph with gusts reaching 45-55 mph across most exposed ridges and summits, gradually easing through the afternoon.

**Chance of cloud-free hill tops above 600m:** 30-40% but lowering to 10-20% around the middle of the day.

**Low cloud and visibility:** Good becoming moderate or poor in rain and drizzle, very poor within cloud with bases quite extensive down to 500m.

**Temperature:** **Valleys:** Plus 6 Celsius lifting to 12 Celsius during the afternoon
**At 600m:** Plus 7 Celsius lowering to plus 4 Celsius for the evening
**Freezing level:** Above summits

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